Approved For Release 2008/09/12 : CIA-RDP80-008 <u>S-E-J-R-E-1'</u>	310A006500020006-5	0EV4
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CENTRAL INTELLIGENCE AGENCY	REPORT	
INFORMATION REPORT	CD NO.	
DUNTRY East Germany	DATE DIS 18 Ma	ıy 1955 25 X
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7.	In late October or early November, two short wave transmitters were being assembled by plant personnel at the East German Embassy in Tirana. A 250-kW medium wave transmitter was delivered to Bulgaria in October. A 1,000 kW long wave transmitter with free swinging mast was under construction and was to be erected near Oranienburg. In early November 1954, a decimeter direction of House 19 of Funktion Responses.	
8.	In order the target date of late 1954, the development of a calibration devider unit by Funkwerk Koepenicky was given first priority and technicians from other projects were assigned to speed the activities.	
9.	In late November 1954, the VHF transmitter station at Rheinsberg operated with two VHF transmitters, each with a transmitting power of 1.5 kW. By means of a separating filter the station operated with a composed of four superposed cross dipoles from the Plant. The two transmitters operated with a frequency of 93.4 and Rheinsberg station was the first one equipped with two Jessen VHF transmitter station was also to be equipped with	25X1
10.	After the flight of Development Antennas) The TEA Department (Technical Development Antennas)	
	TEA 1: Development of long wave - and VHF antennas under the control of Dipl Ing Geschwinde (fmu) and TEA 2: Development of centimeter antennas under the control of Dipl Manthey (fmu).	ır
A time	TEA 1 had received the research orders in the field of medium wave antennas. The completed units were to be tested for their radiation characteristics and center base impedance. The units involved were the large transmitted with model antennas. Reception was to be eliminated with model antennas. Reception was to remain equally good even with a frequency change. Although these problems had been solved theoretically and the determine the optimum value for each transmitted.	25X1
II.	On 25 September activity report. The september and was charged with special development projects. Rein's part in the construction of the "SL" transmitters was discussed in detail. Persons complained that instead of sufficiently instructing his staff on the development project, he had given individual orders, and had purchased an endless amount of single parts for the SL II transmitter which were not actually required. Ing Rein made his own defense. At the end of the meeting, however, he was informed by Schaeffer (fnu), BPO (plant party organization secretary), that he was dismissed as of the same day, and was escorted to the gate by two members of the plant security service. Rumors indicated that Rein was arrested on 26 September 1954.	
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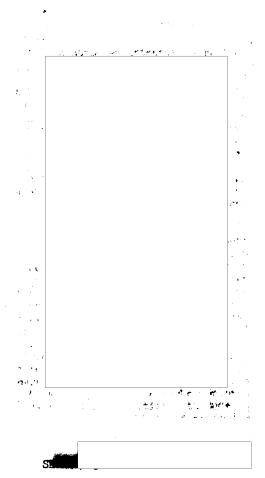
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12. In September 1954, the Department for Special Production was ordered to produce 25 complete decimeter lines. Each line included two Michael type sets and 30-m telescope masts which were built in Werdau. Most of the equipment was produced for the KVP which sent a technical acceptance commission to the plant to check and ship the units.

13.

In October 1954, the TEA Department was ordered by the Technical Management to develop an antenna for vehicles. This appears be easily tuned to transmitters at a frequency range of 3 to antenna mast was to be about 1 m high and to be subdivided by two adductances. The installation of a top capacity was still being tested. The radiation characteristics of the antenna were laboratory tested in November. It was unknown for whom the antenna was being built.

1. Werk fuer Fermeldewesen, Berlin-Oberschoeneweide.



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	CENTRAL INTELLIGENCE AGENCY	REPORT
	INFORMATION REPORT	CD NO.
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- The VEF transmitter station delivered to the East German Embassy in Tirana in April 1953 had become defective due to climatic influences. In September and October the station was being overheuled and set up in the basement of the Embassy by a group of mechanics under the control of Ing Doll (figu).
- 2. The obsolete KN 2 type transmitter set of the Fast German Embassy in Peking was to be replaced by a K N 3 L 3 transmitter. In late October, the new installation was racked in 19 crates and was reidy for shipment at Berlin Osthafen. The K N 2 set was to be turned over to the East German Embassy in North Korea.
- 3. A hardening unit for cog wheels which had beam displayed at the Cairo and Leipzig fairs was ready to be shipped to China in late November 1954.
- 40 October 1954, 5 talevision test field oscillographs to be delivered to the USSR in November were measured at the test field of Funkwerk Koepenicko
- In October 1954, 10 5-kW VHF transmitters were at the testing field. Since there was only one 782 type tube available, the transmitters had to be tested one after the other and could consequently not yet be delivered. A few months before, it was still possible to purchase

 RS 401

 type tubes urgently required at that time. Since these tubes could no longer be 25X1

 fought the Plant for Telementunications tried to produce tubes of equal quality LAs previously experienced by Funkwerk Erfurt with the production of RS 401 type tubes, there were difficulties with this production because of inadequate material. All VHF transmitters were produced for East Germany.
- 5. In September 1954, difficulties, priminly as a result of the poor material of tubes, were encountered with the development of the large receiver station. Progress in the development of the new ECC 32 type tube was expected:

 Experimental models were available. Since no engineer wanted to take the responsibility, difficulties were not eliminated in November and December. For a long time the development activities were no longer emphasized as they were in the degrating.

 Available working power was limited. and material difficulties were not eliminated with the same effort applied in other projects.

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7.	In late October or early November, two short wave transmitters were being assembled by plant personnel at the East German Embassy in Tirana. A 250-kW medium wave transmitter was delivered to Bulgaria in October. A 1,000 kW long wave transmitter with free swinging mast was under construction and was to be erected near Oranienburg. In early November 1954, a decimeter directional antenna was being erected on the roof of House 19 of Funkwerk Koepenick.	
8 .	In order to meet the target date of late 1954, the development of a calibration voltage divider unit by Funkwerk Koepenick was given first proprity and technicians from other projects were assigned to speed the activities.	
9.	In late November 1954, the VHF transmitter station at Rheinsberg operated with two VHF transmitters, each with a transmitting power of 1.5 kW. By means of a separating filter the station operated with a single antenna composed of four superposed cross dipoles from the Flant for Telecomrunications. The two transmitters operated with a frequency of 93.4 and 92.8 mcs. The Rheinsberg station was the first one equipped with two transmitters. The Jessen VHF transmitter station was also to be equipped with a second transmitter.	
10,	After the flight of Or Erich Schuettloeffel the TEA Department (Technical Development Antennas) was divided into two departments:	
	TEA 1: Development of long wave - and VHF antennas under the control of Dipl Ing Geschwinde (fnu) and TEA 2: Development of centimeter antennas under the control of Pipl Ing Eudolf Eanthey	
broad	TEA 1 had received the research orders in the field of medium wave antennas. The completed units were to be tested for their radiation characteristics and center base impedance. The units involved were the large transmitter stations near Burg, Schwerin and Wilcdruff near Dresden. By using additional tuning units, the antennas were to be equipped band operation and the short range facing was to be eliminated. In the beginning, experiments to determine proper antenna characteristics were conducted with model antennas. Reception was to remain equally good even with a frequency change. Although these problems had been solved theoretically, it was necessary to determine the optimum value for each transmitter separately.	25X
11.	On 25 September 1954, the TES (Technical Development Transmitters) gave an activity report. Ing Meinz Heir, department chief, had some time before been removed from the combrol of the development of the SL I to IV type transmitters and was charged with special development projects. Tein's part in the construction of the "SL" transmitters was discussed in detail. Persons complained that instead of sufficiently instructing his staff on the development project, he had given individual orders, and had purchased an endless amount of single parts for the SL II transmitter which were not actually required. Ing Rein made his own defense. At the end of the meeting, however, he was informed by Schaeffer (fnu), BPO (plant party organization secretary), that he was dismissed as of the same day, and was escorted to the Eate by two members of the plant security service.	
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